

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/28/00
Date Received: 06/15/00
Project: Metro Self Monitor, PO# M64386
Date Extracted: 06/20/00
Date Analyzed: 06/20/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M64386 006074-01	0.21	0.19	0.29	0.14
Method Blank	<0.05	<0.05	<0.05	0.05 lc

lc - The presence of the compound indicated is likely due to laboratory contamination.

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 006074-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.21	0.18	15	0-20
Copper	mg/L (ppm)	0.19	0.14	a	0-20
Nickel	mg/L (ppm)	0.29	0.18	a	0-20
Zinc	mg/L (ppm)	0.14	0.07	a	0-20

Laboratory Code: 006074-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.21	105	105	80-120	0
Copper	mg/L (ppm)	5	0.19	98	96	80-120	2
Nickel	mg/L (ppm)	10	0.29	105	106	80-120	1
Zinc	mg/L (ppm)	5	0.14	109	113	80-120	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	108	105	80-120	3
Copper	mg/L (ppm)	5	105	102	80-120	3
Nickel	mg/L (ppm)	10	106	105	80-120	1
Zinc	mg/L (ppm)	5	109	106	80-120	3

a - The analyte was detected at a level less than five times the reporting limit in one or more of the duplicate analyses. The RPD results may not provide reliable information on the variability of the analysis.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
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June 28, 2000

DUPLICATE COPY

INVOICE #00ACU0628-1

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M64386 - Results of testing requested by
Gerry Thompson for material submitted on June 15, 2000.

1 sample analyzed for Total Chromium, Copper, Nickel & Zinc
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)

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June 28, 2000

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

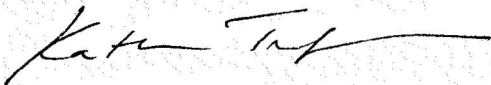
Dear Mr. Thompson:

Included are the results from the testing of material submitted on June 15, 2000 from your Metro Self Monitor, PO# M64386 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU0628R.DOC